



FIG. 1

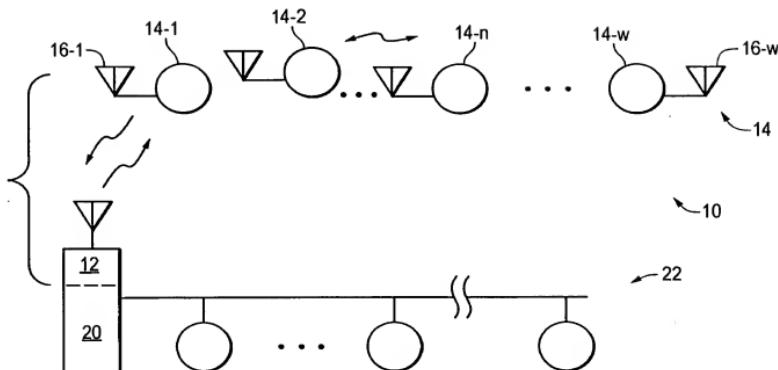


FIG. 1A

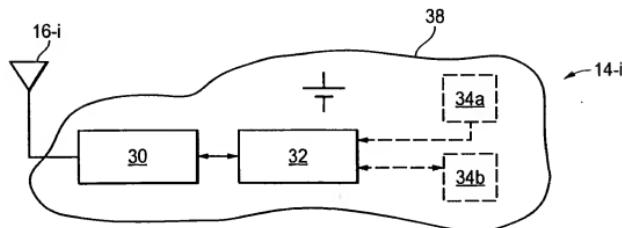


FIG. 2

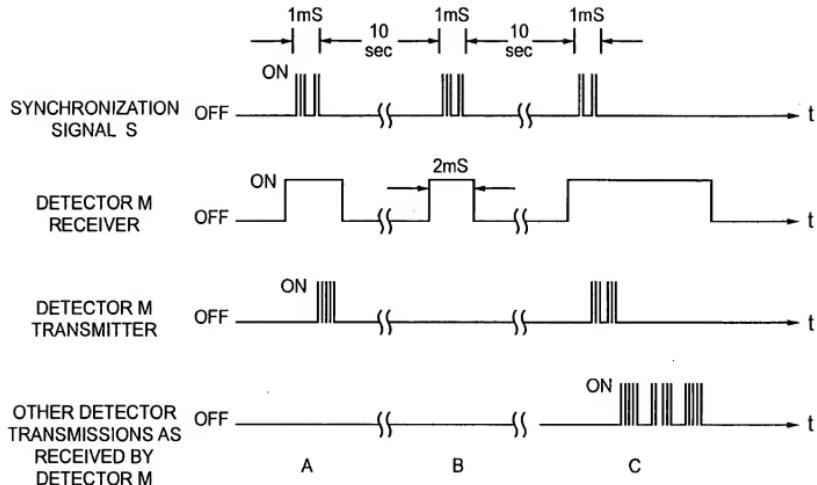
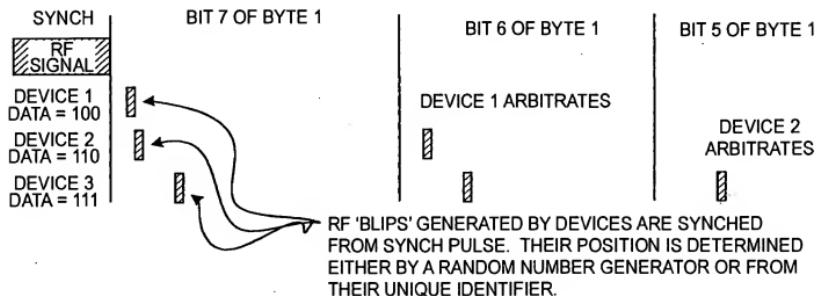


FIG. 3

DEVICES GENERATE DATA BITS THAT HAVE DIFFERENT PULSE POSITION DEPENDING ON EITHER A RANDOM NUMBER OR THE DEVICES UNIQUE ID



DEVICES GENERATE DATA BITS THAT HAVE DIFFERENT PULSE WIDTH DEPENDING ON EITHER A RANDOM NUMBER OR THE DEVICES UNIQUE ID.

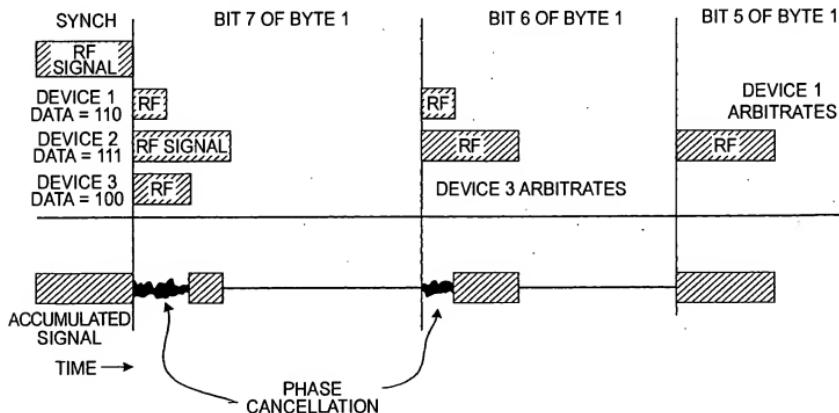
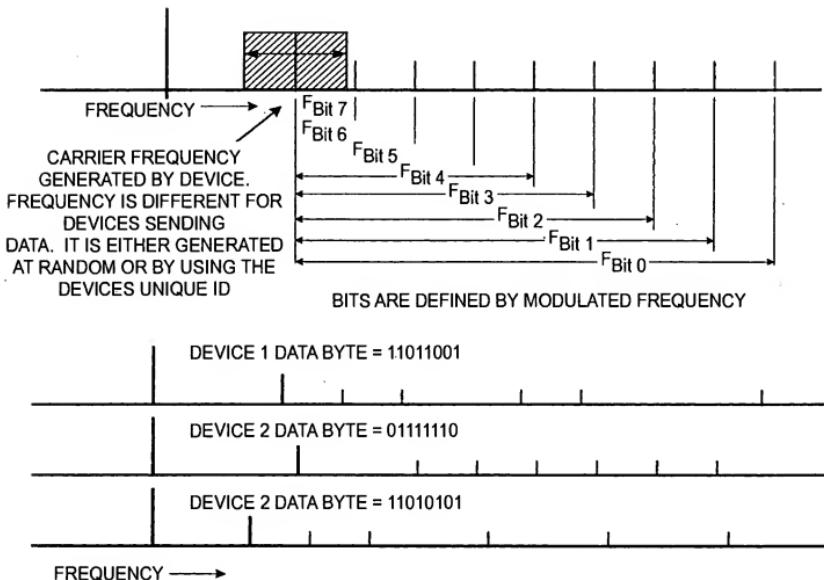


FIG. 4



DEVICES SEND A WHOLE BYTE AT A TIME. AT SOME TIME AFTER STARTING THE TRANSMIT, THEY MONITOR THEIR RECEIVED BYTES AND PERFORM BIT ARBITRATION. IF A HIGHER VALUE IS DETECTED, THEY TURN OFF THEIR TRANSMITTER. AT THE END OF THE BYTE TIME, ONLY ONE DEVICE WILL BE COMMUNICATING.

